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## Explains Delicate Processes Used In the Production Of Bank Notes At Ottawa

In a large and imposing building on Wellington street, Ottawa, stands the home of the Canadian Bank Note Company, where Government bonds, postage stamps and bank notes are made. The building is burglar and fire proof, for within its walls are many millions of dollars' worth of securities, and daily are printed thousands of bank notes, bonds, stock certificates and stamps. The entrance is guarded day and night, and admittance may be obtained only by passport.

Writing in the Royal Bank Magazine, C. O. Goshorn explains how bank bills are produced. After the bank directors have decided on the general idea, the company artist submits designs, and when one has been accepted a facsimile is engraved on soft steel, which when engraved, becomes the original die. All this has required several months.

The expert portrait engraver "beings to one of the three classes of artists in the world. Examine the vignette or portrait of King George on the face of the one-dollar Bank of Canada bill and note the perfect execution. When we realize the small picture is made on each line of dot has to be picked or chiseled out of steel by hand, do you wonder that the art of engraving is so difficult? Only a dozen artists in America can do this delicate work up to the high standard demanded. It takes weeks and even months, to engrave a portrait or a picture vignette."

The work of the engraver is geometric, for the lines and angles of the geometric lathes is mathematically perfect as the machines are set with geometric precision. Right here the counterfeiter falls down, for he cannot produce this perfectly by hand.

The impression from the original die engraving is transferred to a cylinder of soft steel, which is then hardened and the cylinder is again transferred to a large plate, which is then polished by hand and faced with chromium to a thickness of from one to three-thousandths of an inch, to prevent the engraving from wearing during the printing.

Bank note paper is made of linen and cotton. Before printing, the paper is dampened by passing through water and then put in damp cloths to cure. Throughout all stages of printing the paper is damp, which makes it soft and pliable. A close register is kept of every sheet of paper as it comes from the mill. Through each process a separate printing has to be made for each color on both sides of the bill. Usually it requires from three to five printings, and, in case of money, the money is made in a specially made and tested to a standard.

From the press the bills are taken to a cool air drying room, where temperature and humidity of which are regulated by a thermostat. Forty-eight hours later they are ready for use. The rough edges of the paper are cut off by a machine called a trimmer, which gives the paper a glossy finish and keeps the edges from fraying. Next they go into hydraulic presses, smoothing out the wavy surface of the paper and closing up the pores. Next, the bills go through numbering machines, and thence into the storage vault, which "contains many millions of dollars. Nothing can be seen but money, money, money, piled high up to the ceiling."

### Loans For Seed

West In A Different Position Than Other Parts Of Canada

Because the Dominion Government is guaranteeing loans for seed in the western drought, it is in a different position than other parts of Canada think they should have their seed loans guaranteed, too. Which is nonsense. Many farmers in the drought areas haven't had a crop for six years, which is surely different from the case of a farmer in some other part of Canada who may have had but one or two crop failures. If the Government is to be called upon to guarantee or provide everybody's seed, then it may as well go into the business of collective farming, and have done with it.—Ottawa Journal.

### A Real Diplomat

"Have you had any experience in chinaware?" asked the prospective employer.

"Years of it, sir," replied the applicant.

"What do you do when you break a valuable piece?"

"Well, sir, I usually eat it to get a good piece and put it where some customer will knock it over, and charge her for it!"

"You'll do. Start work at once!"

### Money And Clothes

American Analysis Of The Cost Of Clothing For Men And Women

The season approaches when women, men and children more or less lightly turn to thoughts of glad raiment. Hence it may interest you to learn what the well-to-do families of this day are spending these days on clothes.

A report by Dr. Louise Stanley, chief of the Agriculture Department's Bureau of Home Economics, covers the clothing budgets of some 4,000 white, non-relief, American men and women and all income groups in seven small cities of the Middle West. From this you learn that:

The husbands spent an average of \$22 each for all their clothing; their wives, \$17.

For hats and shoes the husbands and wives spent the same—an average of \$10 each for hats and \$8 for shoes.

For coats the wives had a little the better of it, spending \$12 compared with \$11 for the husbands.

For underwear, including silk stockings and nighties, milday spent \$10, the husband, \$9, and the son, \$10 a year against his \$5.

Fripperies, or all other dress items, the wives spent less than the husbands—\$6 a year for the wife, \$7 for friend Husband.

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It goes without saying that as the incomes went up the couples dressed better. In families with incomes of \$100 or over the husbands' annual clothing bill was \$16, the wives' \$20. In those with incomes of \$50 or over the husbands' spent \$18, the wives \$13.—New York Times-Telegram.

### Knowledge Is Essential

Successful Farming Cannot Be Done Without It

The farmer's sons, leaving out agricultural schools, appreciate why the tilling of the soil remains the backbone of our economic regime. It is in practicing it that strong generations perpetuate themselves, while in the city an artisan family is dispersed after three generations. In addition to its richness, in maintaining humanity, the earth renews itself constantly in nourishing products which agricultural science knows how to vary almost infinitely. The farmer, of the future, of the production, sale and distribution, a profound knowledge which definitely takes away the routine methods of yesterday. Instruction, co-operation, organization, such are the prime necessities of the agricultural class, only those who have adopted them can aspire to the superiority which the future of their profession assures them.

### Getting The News

Reporters Now Being Wired For Radio Reception

And now it's the news reporter specially wired for sound. Assisting the Albany Y.M.C.A.'s Radio Club in its experiments with five-meter radio broadcasting, an Albany newspaper assigned a reporter to a desk.

From his desk in the newspaper's city room, the reporter is in touch with his reporter via the short wave.

This Cat Is Different Katherine Bauman's 13-year-old cat, Felix, has never caught a mouse—in fact he's afraid of them. When Felix was a small kitten a mouse jumped at him from a basket of bananas in the Bauman kitchen at Humboldt, Iowa. Felix made a frightened dash for a window corner. And he's been running from mice ever since.

The sponge industry is among the oldest on earth. It is mentioned frequently in the literature of the ancients and is referred to in the Old Testament.

Iron can be hammered into a transparent sheet.

Captain Euan Wallace, M.P., photographed above as he opened the exhibition to mark the Centenary of Trans-Atlantic steam navigation at the Science Museum, Kensington, London. At the left of the picture is the Blue Ribband Atlantic Trophy.

### Game Bird Conservation

Three Million Ducks Collected In Canada And U.S. For This Purpose

In the first annual meeting of Ducks Unlimited of Canada at Winnipeg, it was learned that \$3,000,000 collected from conservationists in Canada and United States by the non-profit "Ducks Unlimited" corporation, will be used largely in agricultural areas throughout the Dominion in an effort to retain water on land that ordinarily dries up in mid-summer.

The corporation is planning a major game birds conservation project and will send an engineer into the field to study these areas. The corporation is planning a major game birds conservation project and will send an engineer into the field to study these areas.

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### Penalty Should Be Severe

Taking Automobile Is Modern Crime

A paragraph collected from the London Times of 100 years ago refers to a man who was sentenced to be transported to Botany Bay, Australia, for 15 years for stealing a horse.

Many men were hanged for that type of offence. In the days when Canada and America was sparsely populated, stealing a horse was one of the most serious crimes in the calendar as a man might starve to death if deprived of his horse for hard work.

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## Grain Research Committee Approves Inclusion Of Thatcher Wheat In Grades

### Cray Built In Pocket

One Heavy Rain Cause Extensive Flood Damage

There are two chief reasons for heavy rains causing so much flood damage in Los Angeles.

The city is in a pocket and is surrounded by mountains down which the waters rush with torrent rapidity. So many of the buildings, especially smaller houses, are of such cheap construction that they fall as readily as the bones of the parable which was founded on sand and could not withstand the fury of the waters.

Heavy rains lasting for four days turned what had been dry washes into rivers that reached the valleys in a matter of hours. The water was like a series of young Niagara cascades to the ocean. Flimsy buildings were practically swept away, and substantial structures such as bridges collapsed because their foundations had been washed away by the swirling currents.

There is seldom any wind of any consequence in the Los Angeles rain belt, and the water just pours straight down in sheets.

### A Puzzle To Science

Working Of Human Brain Has Never Been Understood

The difficulties faced by psychologists in the study of the human mind are so great that it is almost incredible to them that they have been able to do so much. The human mind is so complex and so mysterious that it is almost incredible to them that they have been able to do so much.

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The associate committee on grain research in session at Winnipeg, approved inclusion of Thatcher rust-resistant wheat in all Manitoba Northern grades. Northern rust-resistant wheat was found unacceptable for the same classification.

The committee, whose recommendations generally guide decisions of the Canadian board of grain commissioners, is studying various varieties of durable and rust-resistant wheats and their milling and baking qualities.

Two new varieties of high quality rust-resistant wheats were approved. These varieties, which will be grown further this year to obtain sufficient quantities for trial commercial tests, were described as "crop test 118 and 124," or "rust tolerant RL197 and RL211."

Thatcher, a popular wheat last year due to its rust-resistant qualities, will likely receive the largely increased acreage of 1938 acreage in Manitoba, and portions of Saskatchewan and Alberta.

Approval of the committee's recommendation by the Canadian board of grain commissioners will mean that Thatcher will be recognized as being "equal to Marquis" in milling and baking qualities and will rate No. 1 Manitoba Northern grade.

The Thatcher, produced in Minnesota, was further developed by the Dominion rust-research laboratory in Winnipeg and Dominion experimental farms. A shipment was made to England early this year and was acceptable to Old Country millers.

Coronation, which failed to meet complete approval of the committee, is to undergo further testing but was found to possess milling characteristics differing materially from typical wheat of the Northern grades. Definite recommendations were made to exclude this variety from the Northern grades, the associate committee announced.

The committee, an important part of the national research program, has been joined previously with council members, Dominion agriculture department experts and the sub-committee on plant breeding.

### Gas Eruption Above Sun

Huge Cloud Attained Speed Of 300 Miles A Second

Hydrogen and calcium gas erupting in a flame-like cloud 370,000 miles above the sun's surface, was reported by the Mount Wilson Observatory at Los Angeles.

The huge cloud was shot out with tremendous force to the greatest height yet observed. Dr. J. O. Hicok said it was 55,000 miles wide and was 100,000 miles high when it first erupted. It was 300 miles high when it first erupted. It was 300 miles high when it first erupted.

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It goes



## WORLD HAPPENINGS BRIEFLY TOLD

Permission for permanent residence in Canada for Halldor Thompson, Winnipeg journalist, has been approved by immigration authorities.

Soviet Russia, having explored the far north of its ice flow and skies, disclosed plans to send scientists into it again.

Col. S. T. Wood, newly-appointed commissioner of Royal Canadian Mounted Police, has been named a member of the Northwest Territories council.

A group of German and Austrian refugees arrived in New York on the British liner *Arctica* to accept the United States offer of political asylum.

Three radio stations will be built in Canada for foreign use, said H. C. Howe, transport minister, told the House of Commons. At present 11 were completed, 12 are under construction.

The real reason back of the Japanese invasion of China is to get control of China's raw materials and its market, according to Dr. Heng Chi Tao, eminent Chinese educator.

During the three months ending March 31, the United Kingdom's food-and-meat epidemic necessitated slaughter of 15,012 head of cattle, according to official statistics in the London Gazette.

One hundred and seventy-five employees of the nut and bolt department of the Nova Scotia Steel and Coal Company, walked out of the plant in protest against the workers' refusal to join a union local.

John Kanerva, Calgary sculptor, found in his cellar a man's head during the reign of King George III, bearing the date 1778. Eighty years later than a modern ten cent piece, believed to be a likeness of the George III, period.

## Country Is Primitive

Albania Has No Railways And Few Good Roads

When Countess Apponyi married King Zog of Albania this spring, she will step from the 20th century atmosphere of Budapest, Vienna and Paris to the primitive conditions of the Albanian capital. She will share the nearest throne in Europe and rule over a country of a million people, hundreds of whom are divided by blood feuds which have lasted for generations.

Albania has no equivalent in Europe. There are no railways, few good roads, communication is still predominantly by mule track, and despite King Zog's attempt to modernize his mountainous kingdom, only a few trunks of roads are being built to be found in the major cities of Tirana, Durazzo and Scutari. The capital Tirana, largest town in the country, has barely a population of 30,000.

Albania remains the only country in Europe whose telephone system is not linked with the international lines.

Although women are safe anywhere in Albania, they are rarely seen in the street, and most of them are veiled. They cook for their husbands and for their household help, but they do not eat at the same table—Montreal Star.

## Issues Warning

Says No Jobs Open At Present In Northern Mining Camps

Hon. T. A. Crear, minister of natural resources, issued a warning to men contemplating seeking work in the Northwest Territories, saying there are no jobs open at present in the mining camps in the Yellowknife district, north of Great Slave Lake, 400 miles north of Edmonton.

Basing his advice on information received from the district agent of the Mackenzie district, and the sub-mining recorder at Yellowknife, the minister said forecasts in mining activity at Yellowknife would not result in increased employment until possibly late in June.

The department was discouraging men from going to Yellowknife or elsewhere in the Territories in search of work because the mining companies were making their own arrangements outside and taking in only those for whom they could assume full responsibility, Mr. Crear said.

The body temperature of a person living in the extreme cold of the far north is almost identical with that of one who resides in the steaming tropics.

"I read the other day that it takes only the smallest fraction of a second to wink your eye."

"Yes, but it takes the greatest part of a day to explain it to your wife."

## Motor Car Of The Air

British Designer Producing An Aero-plane With All The Comforts Of A Motor Car

Secret tests have been carried out at the Barton airbase, near Manchester, of a new type of aeroplane, described as "the motor car of the air," which is to be produced by a Manchester firm and marketed at a price under £500. Equipped with an 80 h.p. engine, the plane is built almost entirely of reinforced wood, and is being designed to interest the Australian farmer, whose nearest neighbor may be 200 miles away.

The object of the designer, Mr. Norman Sykes, has been to produce an airplane with the comfort and facilities of a motor car. It has a large door on each side of the cabin, easily entered from the ground. Inside the cabin one finds the controls, seating, windows, and rear-view mirror exactly as in a car. Turning on the ground or in the air is accomplished by using a steering wheel.

The landing wheels are fitted with brakes operated by a foot pedal. The wing is fitted with air-brakes, or "spoilers," worked by a hand lever similar to the hand brake of a car. Friction devices have been introduced which, once the craft has been put on its course, lock the controls, allowing the pilot to relax—Industrial Britain.

## A Crucial Point

Says Canada Is Suffering From Growing Pains Under New Conditions

Premier T. D. Pattullo of British Columbia said in an address to the Empire Club of Toronto that Canada had reached a crucial point in her history.

"Notwithstanding our favorable physical position, and strong vigorous people, Canada is suffering from growing pains under new conditions and demands consequent upon economic and social changes," he said.

"It is necessary that remedial measures shall be applied to order that all parts of the Dominion comprising confederation may prosper individually and collectively."

Confederation as conceived by the men who brought it into being, threatened by dissension, misunderstanding and sectional differences, "had," Premier Pattullo suggested existing differences of opinion were less wide than those prevailing between the Fathers of Confederation themselves.

## FEMININE DETAILS ENHANCE

By Anne Adams

"Bing," the fire dog of Fin Flon—wrote for Chief Otto O. Klutz to a striking likeness of him standing in front of the fire truck.

"Bing" is a little dog, about the size of a cat, with a white coat and a black collar. He is a very smart dog, and is very fond of his master, Chief Klutz. He is also very fond of his friends, and is very helpful in many ways.

One day, when Chief Klutz was out on a fire, Bing saw a small child who had fallen into a well. Bing barked and ran to the well, and then he ran to Chief Klutz and barked. Chief Klutz saw Bing and ran to the well, and he saved the child.

Bing is a very smart dog, and he is very helpful in many ways. He is also very fond of his master, Chief Klutz, and he is very fond of his friends.

## FLIN FLON

"The Story of Its Finding and Position To-day"

By PRATT KUHN

"BING"—THE FIRE DOG OF FLIN FLON

Just a little dog, white, fluffy, and very smart, is "Bing" of Flin Flon, but he is a self-taught fireman, believe it or not.

He was born in 1932 and ever since was a half grown pup has attended every fire drill and every fire, summer or winter.

There is a siren for a fire call in Flin Flon and they also use it to announce blasts in the open pit mine. "Bing" was on hand like a flash from a gun on a fire signal, but he didn't refuse to budge for a blast call. How does he know the difference?

He has established a patrol route of his own which extends a block down the main street, across and up the other side, and this is why he is always on hand before even the firemen when a fire call sounds, because the siren is just at the end of the main street. He climbs to the highest point on the engine and barks at him. "Bing" knows every fireman and apparatus on the motorized engine and it's a scream to see him help pull the hose off the truck, bellowing and barking in great excitement.

He knows every place of operation on the motorized engine and it's a scream to see him help pull the hose off the truck, bellowing and barking in great excitement.

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I saw this dog jumping through the water from the pumper, and when it caught him it did not, he was a rubber ball. Back he came and the transformation from white to black as he was covered with mud, then up by the hose, and reversal back to white as he dashed back through the water, was about as funny as anything I've seen. My inquiries were later from the story above.

"Bing" is a ladies' man, attends all girls' softball games, and has been elected an honorary member of one of the clubs.

Flin Flon is not a company town, but has been brought within the orbit by the mining company after which it is named. Schools, sporting and cultural community hall, etc., are, according to the residents—largely a contribution of the company, but there seems to be no air of condescension about it, but simply good neighborliness.

Like Flin Flon and the people I met and I like the spirit of the place. I too had no room or employment for 7,000 more people.

"Bing" standing on the hood of the motor fire engine of the Flin Flon brigade.

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## SUNDAY SCHOOL LESSON

APRIL 17

THE VICTORIOUS SERVANT (EASTER)

Golden text: "This Jesus did make up, when he said, 'I will be with you, even to the end of the world.' Acts 2:32.

Scripture: Acts 2:22-36.

Devotional reading: Philippians 2: 8-10.

Explanations And Comments

Peter's Proclamation of the Crucifixion and Resurrection of Jesus. Acts 2:22-36. Last week we heard the words of his disciples, and crucifixion was for his portion, and heard Peter rebuke him saying (Mt. 16:22): "Be it far from thee, Lord! This shall never be unto thee." Now the cruel death has taken place and Peter has taken up his cross and is following after Christ, giving no thought to his own safety, he is thinking only of his Lord and his Lord's work. His bold words uttered at Pentecost begin with Jesus as Man approved of God, Jesus of Nazareth, but they end with Jesus as Lord and Christ.

Jesus had wrought many wonders which they themselves witnessed. Peter told his hearers. They had crucified and slain Jesus, all in accordance with God's will, all in accordance with the purpose (being delivered up by the determinate counsel and foreknowledge of God), but death could not hold him.

Peter's Arguments in Proof of Christ's Resurrection. Acts 2:36-41. Peter then quoted from Psalm 16, ascribing to the words a prophetic meaning. David had died and been buried and his tomb all could see. But his body had not seen corruption and it was not of himself that he was broken, but of the will of Christ, when he said (Ps. 16: 10):

For thou wilt not leave my soul to Sheol;

Neither shalt thou suffer thy holy one to corruption.

The Psalmist's thoughts carried him beyond mere temporal deliverance, beyond the changes and chances of this life, to the life of the world to come, a life in which the righteous are united with God, which death cannot destroy.

Jesus, who was crucified, was raised again, and he is now with Peter a deeper and fuller meaning still in the words, as we recall the life, death, resurrection and ascension of Christ.

Gardening

There are hundreds of annual flowers which are not only planted by the person who is not going to live long in one place. These annuals will make their full growth from next June until frost. In vegetable gardens, too, can be developed in a few weeks and give ample returns in the same year.

After the first of the ground can be carried out by a team. Quick growing grass will make a very fine lawn in less than six weeks and one infinitely better than a patch of mixed grass and weeds. Instead of permanent shrubbery and climbers, a normal use of good seed catalogue will disclose many bushy annuals among flowers and some climbers which will grow up to 20 feet in a few months. There are at least a few bushy annuals which will reach a height of from four to seven feet and can be used for screening, such as effectively as tall, slender flowers.

The first of the garden peas, leaf lettuce, radish and spinach will be among the earliest vegetables seen. These may be planted as soon as the ground is fit to work. All the vegetables named should be sown at least three times at intervals of ten days so that there will be a succession of vegetables. The second sowing will be carrots, beets, corn, potatoes, etc., which can stand a little frost, and then beans, peas and tomatoes. Cabbage and cauliflower plants, etc., will kill with frost. Final seeding or planting will be those hot weather vegetables like lima beans, squash, well started egg and pepper plants, cucumber, melons and similar things. A constantly cultivated garden will seldom be affected by drought. This stirring of the top soil prevents evaporation of moisture and it also keeps down the rubbish of plant and water weeds. Especially during the early part of the season is cultivation, necessary, and more particularly after each sowing. With the use of a hoe, one may hand pull, or tractor-drawn garden cultivators on the market, that task is done quickly and without the old time backache.

## Build Air Ports

Britain To Spend Large Sums For Construction Of Airports

Approximately 10 per cent of the £102,500,000 (£12,500,000) 1938 air budget will be utilized for immediate construction of airbases and other military establishments for the Royal Air Force, it was announced.

Plans include concrete buildings to house aircraft, and the use of concrete with special anti-aircraft defences, and underground fuel storage tanks. Construction of new bases will also involve provision of extensive gas, electric, and water facilities and the building of roads.

Although motorcycles do not attain the peak of their popularity until next summer, the first examples are being imported in France and Germany as early as 1935.

Infrared ray detectors are used on modern vessels for detecting other vessels and icebergs through dense fog.

# Death

## LEAGUE OF CANADA

prints TOPICS OF VITAL INTEREST

by DR. J. W. S. McCULLOUGH

Editorial Note: Readers desiring the complete set of Dr. McCullough's career articles at once may secure same by writing to—The Health League of Canada, 105 Bond St., Toronto, Ont.

## Shipment Has Been Stopped

United States Not Letting Germany Have Helium Gas

A sudden change of mind of the American government has brought about a new situation on the question of helium and its export. Until recently it was understood that Germany had been given by Congress for the delivery to the German Zeppelin Company, of which Herman Wilhelm Goering, air minister and Nazi No. 2, in a member of 17,000,000 cubic feet of helium for use in new dirigible balloons. Germany to replace the ill-fated Hindenburg which exploded with heavy loss of life at Lakehurst. New dispatches from Washington reveal that Secretary Kellogg has blocked the shipment, despite the fact that tanks of helium in Germany are locked on the Texas coast in the Gulf of Mexico to away the expected supply.

So far, the only known supply of helium, a non-inflammable gas, with which dirigible construction and flying is connected, is to be found only in the United States, which thus controls the safer lighter-than-air flying of all the nations on earth. In spite of international pressure the United States has expressed willingness to share its helium supply so long as it is not used in the industrial enterprises of other nations, Germany particularly. The latest development is interpreted as a sign of alarm from the government's failure to receive satisfactory assurances from Germany that the helium will not be used for military purposes but will be devoted only to commercial and industrial and medical uses.

Repercussions of the Nazi coup in Austria are indicated also in the report that the German government has indicated the part of the United States may to complete negotiations with Germany to permit the new shipment to give him his monthly mast at Lakehurst. Buffalo Courier-Express.

## Farm Accounting

Importance Of Having A Record Of All Business Transactions

Modern farming is a business and to be successful should be conducted in a business-like manner. Farming is not a hobby, it is a business, and it is a business which requires a record of all its transactions. A record of all the business transactions of a farm is essential for the farmer to know the character of the management, to know the value of his property, and to know the value of his business. It involves the production and sale of commodities as well as the use of capital and the purchase of supplies and labour as well as most other kinds of business.

Present conditions in farming emphasize the importance to the farmer of having a record of his business transactions as well as a permanent record of other details of his business. A record of all the business transactions of a farm is essential for the farmer to know the character of the management, to know the value of his property, and to know the value of his business. It involves the production and sale of commodities as well as the use of capital and the purchase of supplies and labour as well as most other kinds of business.

A Farm Account Book may be prepared by the farmer, or it may be purchased from a publisher. The latter is a more convenient method, as it contains all the necessary forms and instructions. The former is a more economical method, as it allows the farmer to tailor the book to his own needs.

Schools of Johannesburg, South Africa, are closed and 1,800 children are on the waiting list.

Canned oatmeal is something new as a cereal.





## Looking To The Future

More Marvels Promised By Scientists  
Make Interesting Pictures

Scientists have come forth with the news that within 25 years the average man may be getting his food from "soil-less farms." Such farms would employ chemical tanks, in which food plants show phenomenal growth. With the coming of soil-less farms it won't make any difference whether we're living on bread or not. The crops will be still raised. Necessity for the annual plowing will be eliminated, however, and the land can be given a new cover of grass and trees. Dust storms and serious erosion can't occur where the earth is thus protected. It's an interesting picture.

Shocking before the New York Railroad Club, G. Edward Peck, science writer and past president of the American Rocket Society, told also of the possibility of a world in which harmful bacteria will have vanished, in which men will wear clothes of fireproof artificial fibers made from cellulose or spun glass and occupy houses lighted, heated, cooled, humidified, and air-circulated automatically the year round by electricity. All these things may come about by 1963, according to Mr. Peck's summary of the research activities now going on in laboratories throughout the country.

There are more wonders. By 1963 the average man's life expectancy of small apolis of film—each representing a complete book, which will be read with the aid of a projection machine similar to a typewriter. By that time scientists will probably be amazing the atom to multibillion, thus opening the way to miracles scarcely imagined to-day.

Weather reports will be based on rocket soundings of the atmosphere and there will be attempts to shoot an automatically controlled rocket carrying mail and express across the Atlantic.

There is, of course, the very good chance that man will not witness all these wonders within even 25 years. But the fact remains that science has kept pretty well on top of things and gives evidence of continuing to be able to make up for such mistakes as waste of natural resources.

Mankind, however, must be admonished of such abuse and waste by the ordinary citizen is well in order and may be almost as valuable as the more constructive contribution of the part of science. —Regina Leader-Post.

## Dictionary Is Revised

Slang Expressions Are Creeping Into The Language

You no longer can be accused of using slang when you pool off a \$100 bill from that fat cat and riped at him. Cabbage head, is a C note.

C note and cabbage head were two expressions which to-day had found their way into the American-English dictionary, being compiled at the University of Chicago by Sir William Craigie, controller of the English dictionary, and Prof. James R. Hulbert.

They said research disclosed the expression C note, derived from the Roman numeral C, 100, had been popular in the United States since 1845.

The dictionary's fourth section, to be issued this spring, includes these expressions.

In cabbage (in league with). Take the cake (take the prize). Tack in one's checks (to die).

On the carpet (to undergo a reprimand).

To carry on (to behave unbecomingly).

Cabbage head (a stupid person).

## A Strange Dog

Animal Of Unusually Pedigree Never Harbs Or Bays

A couple of years ago a dog brought an animal that had not and had not yet got it in it is not a dog. This little brown animal, which looks much like a fox and dog, was captured by him-burton up the Quebec side of the Ottawa and was very hard to catch. As a matter of fact there were two of these pups but one of them could not be tamed and was destroyed. The survivor is the most docile of animals but does not react back neither does it howl.

It is a family pet and is well trained and trusted pet, always obedient and never cross. And how that thing tamed when it gets out from under the age of the single-toothed cat.

"I always laugh when I see anything funny."

"You must enjoy yourself when you shave."

More homes were built in Sweden in 1957 than in any recent year.

San Bernardino county, California, has an area of 20,175 square miles.

## Important Source Of Fuel

Canada's Forests Supply About 30 Per Cent Of Domestic Needs

Canada's forests continue to be an important source of fuel, supplying about 15 to 20 per cent. of the domestic requirements of the country. During the five-year period 1951-55 the average annual cut of fuel wood in Canada was approximately 8,000,000 cords valued at about \$35,000,000.

Wood as a fuel has a very definite field. It is the mainstay of our rural regions and is much used for heating purposes in villages and towns in those parts of Canada where lack of local deposits prevents the population from securing cheap coal for domestic use. If methods of selling, measuring and burning firewood were improved the value of this fuel undoubtedly would be more appreciated. To this end the Forest Products Laboratories and the Testing and Research Laboratories of the Department of Mines and Resources, in cooperation with other organizations, are investigating ways and means of extending the use of wood as fuel.

It has been found that as a rule the fuel value of seasoned wood depends generally on the weight per cubic foot, the heaviest woods naturally giving the most heat.

Seasoned wood of well-seasoned spruce, maple, beech or yellow birch split firewood weighs upward of 4,000 pounds, whereas a similar cord of softwood may weigh less than two-thirds as much. The relative value of the different wood fuels may, therefore, be approximately compared on the basis of their weights, at the same moisture contents. Two pounds of seasoned wood are generally required to furnish the amount of heat obtainable from a pound of anthracite coal of good grade.

However, it is generally burned somewhat more efficiently, especially since much wood is used in heating installations designed for coal. In order to deliver the same amount of heat to a boiler as a pound of coal a little less than two pounds of wood are required.

The extension of the use of wood for fuel, especially that not utilized in logging or in the sawmill, would be of great advantage to producer, consumer, and labor, and if the cut and use of wood is adequately regulated the increased demand may be expected to enhance the value of Canada's forest stands.

## About Allergies

New Point Of View On A Queer Class Of Ailment

If you sneeze more than six times in a row, you are almost certainly suffering from an allergy.

This month, the American College of Physicians was informed, that you would not find it in the least surprising, yawning, or breathing of the things that cause allergies.

Allergy means sensitization. It involves, in the case of food, rather than dyspepsia, unaccountable swellings, watery eyes and nose, hay fever and some other ailments.

The things you must beware of contacting to excess range from good food like milk and oatmeal to horse hair and feathers, cosmetics and even medicines that may now and then be needed to save your life.

All this was brought out in a new point of view on the queer class of ill-named allergies, presented by Dr. Richard A. Kern, of the University of Pennsylvania. The new view is that it is possible now for doctors to say who is subject to catching one of these strange afflictions and to warn him how to avoid it.

At present, Dr. Kern said, the best plan is to keep the allergies away from the cradle. Childhood is the period when these bodies strike hardest.

He explained many simple precautions. Some are: Use old washed blankets instead of new fuzzy ones; no fuzzy toys; hot bath jets; wash new sheets to rid them of sizing chemicals; no stuffed furniture in baby's room; let him have bare floors; use long-staple cotton instead of hair mattresses.

## First Of Its Kind

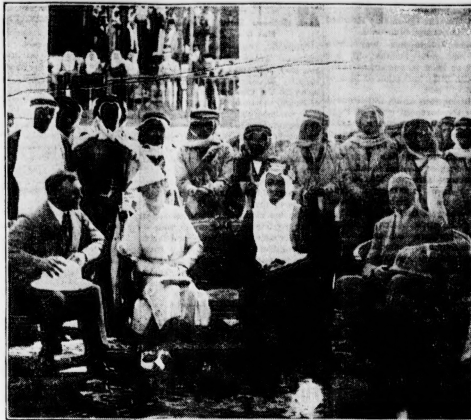
Bathing Shed Of Metal Introduced At Convention In California

Bathing units of metal are here, W. H. Zimmerman, Cleveland, Ohio, secretary of the American Society for Metals, introduced one of the Western Metal Congress in Los Angeles, Calif.

Ruth Williamson was the sparkling, highly polished, bronze model. "It will dry quickly," proclaimed Zimmerman, "and it will not cling to the body when wet."

There are some 20,000 varieties of class Placer, or true fish, known to mankind. This class is the largest group with the greatest structural diversity.

## BRITISH ROYALTY VISITS ARABIAN RULER



Our photograph records the brief visit of British royalty to Emir Faisal of Iraq, and shows the Earl of Athol (right), uncle of King George VI, and his wife, Princess Alice (left, center), sitting with Emir Faisal (second from right), and Sir Reade Bullard (left), during the official visit to Arabia on the invitation of Faisal. At the back are Emir Faisal's bodyguard and some of the government officials.

## Highway Safety Efforts

American Newspapers Given Credit For Reducing Motor Accidents

The National Safety Council credited United States newspapers with a leading role in highway safety efforts which saved 1,800 lives since last November.

Sidney J. Williams, director of the Council's Public Safety Division, said an "increased public awareness" of dangers of motor travel and the need for safe driving probably accounted for a reduction in traffic fatalities that has continued throughout the United States from November through February.

The newspapers in the past year published highway safety material in greater volume than ever before. In increasing numbers they joined efforts of public agencies and organizations such as the American Legion and parent-teacher groups to cut down highway slaughter.

"To the newspapers—also several popular magazines—must go a large share of credit for bringing about what we hope will be a long-continuing downward trend in fatalities."

The Safety Council reported 1,180 traffic deaths in the United States in February, 420 or 16 per cent. fewer than in February, 1957.

## Maintains Private Army

Duke Of Athol Has Only One In United Kingdom

Londoners had the unusual opportunity of seeing representatives of the only private army in the United Kingdom on duty at the wedding of Lord Fincastle, son and heir of Lord Dunmore and Miss Pamela Hermon-Hodge, daughter of Lord Wyfold.

The Athol Highlanders are the Duke of Athol's clanmen, given the right to bear arms by Queen Victoria when she and Prince Albert visited Blair Castle in 1844. They are maintained at the Duke's expense and number round about 200.

In stalking prey, a cat can keep her eyes on the victim and let her whiskers guide her noiselessly past obstacles.

A word to the wise—Nifer can move garden than your wife can plant.

## The Escalator Clause

British Officials Refuse To Use The Word "Escalation"

British officials are causing the state department at Washington great pain and anguish by their refusal to use the word "escalation," which the department thought up.

Escalation means the building of bigger battleships when other nations do so.

The British did use the word once—in their note to Japan in February asking for Japan's naval building intentions. That was because the United States had done so.

Now the two powers are drifting toward expressing their decision to invoke the "escalator clause" of the London naval treaty.

This time Britain is not using the word "escalation." Foreign office aides found out it isn't in the dictionary.

## Paid For Doing Nothing

New York Stagehands Have Soft Jobs While Show Lasts

"Our Town," being played in New York, is acted on a bare stage, a fact that drew the fire of the stagehands union, because Frank Kravitz, as the play opens, in arranging chairs on the stage as he prefaces the performance with a few explanatory remarks about the union.

This was held by the union to constitute a stagehand's duties, while producer Ed Harris argued otherwise. The matter finally was settled by hiring two stagehands who do nothing, while the actors shift the furniture when the script calls for such changes.

## Praised Welsh Singing

The Duke of Kent told a Welsh audience that they sang in parts "more easily than many of us sing the National Anthem. And then we get out of tune or fail to give the last bar its full value," he added. He was speaking at the St. David's Day banquet of the London Welsh Society.

The building of the Valcan was started about 482 years ago. Since then, almost every pope has made additions to it.

## A Simple Explanation

How Japanese Always Use Word "Maru" In Naming Ships

An article on ship names in the March number of The P. L. A. Monthly contains some interesting notes about the origin of the word Maru in the names of Japanese ships.

"Most people are struck by the fact that all Japanese merchant ships are called Maru, and probably wonder what the word means. Different scholars have different opinions about this time-honored custom.

One old legend gives the name of a messenger went from heaven to teach the Emperor Kotai shipbuilding as Hakudo-Maru, and this is thought by some to have been the origin of the use of Maru in ship names. Another story attributes the custom to a form of homage to a sea god named Azumamaru-Maru.

"Other authorities connect it with the word meaning circular, all-embracing, or complete, from which derives the idea of perfection, and thence veneration applied to articles or possessions of great value and esteem. Ships being greatly prized by a maritime nation, the name may have become attached to them. This last theory seems to be the one most commonly accepted."

## Among Those Not Present

During an Egyptian campaign a certain colonel drew up to an outpost in the desert and after complimenting the officer in command, shouted:

"But understand that you are in a position of grave responsibility here. I have every confidence in you and your men. But remember this, you have got to stop here and die. If necessary, saying which he whisked his horse around and was off in a cloud of sand."

The little party was still recovering from the shock of the visit when the effect of the trade was destroyed by a gunner, who inquired: "But ain't the brighter going to stop and die with us?"

The centre of gravity of the earth-moon system lies at a point about 3,000 miles from the centre of the earth.

## Sounds Like Good Idea

Community Living For Elderly Women Who Have No Home

Community living for old women is discussed in overseas by the women's editor.

"Most of us would, I suppose, prefer to have our own homes; and for many where this is possible there exists no problem," the writer said. "But there are others who have no home and cannot afford to live in a hotel who find it difficult to pay for a single room, and with or without help for cooking and cleaning. What are they to do? Where are they to go? Relations, as a rule do not want them."

Furthermore, these elderly women like and dislike things violently; they want special kinds of food; they are not too easy to deal with owing to the strength of their individual tastes. And until they have trained themselves not to fuss over minor essentials, it is probably better for them to live alone.

But I am convinced there are a growing number of women, available, ready to give and take, who would prefer to live a community life than to live by themselves. What would they know it is cheaper to share with one another and also because they prefer company to solitude.

What is needed in all sorts of places, both in towns and in the country, are houses where women could have an unfurnished room of their own, which they could transform into a home with their own furniture and decorations. What are the opportunity of cooking their own meals if they wished, or where they could have their meals in a common dining room with a lounge where they could read the papers and meet each other.

Expensive clubs, in short, arranged to meet all kinds of requirements. Old age can be so dreary that it is scarcely worth living. What are the closing years of life are as well cared for as the earlier ones."

## Plant Cultivation

Geraniums Grow To Large Size At

Single flowers one inch in diameter in vivid American beauty and scarlet colors attract attention to the geraniums in the American Experimental farm greenhouses at Ottawa.

The discovery of A. J. Logsdail,

professor at the Agricultural school at Kemptville, Ont., these geraniums have all been christened after agricultural ministers.

In the spring the greenhouses and gardens are a mass of brilliant color when the plants, Abolli and hysanthus built, sent for variety testing from Holland, break into bloom for the first time in this country. The geraniums, under the experiments in the greenhouse, have been discovered by William Ferguson, graduate in plant breeding, and the division, to produce a larger crop of long-stemmed, large-flowered specimens for growing in sand rather than soil.

In another section of the greenhouse last Bermuda hills are to be seen in various stages of maturity. These are being tested by Dr. William Hunter, geneticist at the farm, for the effect of different durations of light and degree of temperature to discover the best method of storing bulbs on arrival each September and October and their adaptability to wide temperatures.

Wide strides have been made in the chrysanthemum field under the direction of James McKee, greenhouse specialist. Pure white gossamer petals, curly narrow-spoke-like petals and massive shaggy mums have been produced with what appears to be a degree of perfection in color and shape. The schizanthus or "butterfly flower," favorite with most gardeners, has been developed in tones of orchid purple, gold, pink, rose and pink with blossoms four times the size of the original specimens.

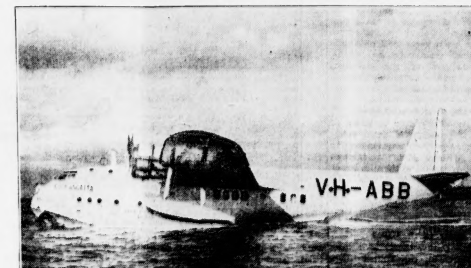
## Canada's Imports

Of the \$48,991,619 worth of goods imported by Canada during February, \$11,826,619 worth came from the British Empire and \$35,009,309 from foreign countries, the Dominion Bureau of Statistics reported. During the same month a year ago imports amounted to \$48,680,482, with \$12,820,886 worth coming from Empire countries and "the rest from foreign markets."

Roast beef, chicken, fish, chops, and steaks, in the order named, are the most popular meats consumed on dining cars by the American travelling public.

Development of a mechanical "inner ear" to help deaf and deaf-blind people who are unable to hear or speak, in learning to talk has been announced.

## THE ROYAL MAIL AIR LINER "COOLANGATTA"



The Royal Mail Air Liner "Coolangatta," the first of the six Australian flying boats which will operate with Imperial Airways on the Empire route between Southampton and Sydney. The picture was taken as the ship alighted on the water after a test flight.





## THE CARBON CHRONICLE

Issued Every Thursday at  
CARBON, ALBERTA  
Member Alberta Division Canadian  
Weekly Newspaper Association  
EDOUARD J. ROULEAU,  
Editor and Publisher

## CLASSIFIED

## PERSONAL

**MEN! BEWARE LOW VITALITY** if easily exhausted. Try New OSTRIN Tonic of raw oyster invigorators and other stimulants. Get vim, vigor, vitality. If not delighted make refund price, \$1.25. Call or write McKibbin's Drug Store, Carbon.

**FOR SALE OR RENT**—four-roomed house; four good garden lots all fenced. Garage; good well; wash house. Sell reasonable for cash. Call Alex Reid Sr. Carbon, or 1321 15th ave. W., Calgary.

**LOST**—Waterman Fountain Pen, green barrel, Beward if returned to Alex Reid Sr. Carbon, or 1321 15th ave. W., Calgary.

**FOR SALE**—4 h.p. Stover gasoline engine in good running order. Also 5-tube Stewart Warner battery radio. Apply to E.G. Bateman, Carbon.

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EATERS REASONABLE

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## THEATRE

THURSDAY, APRIL 14

Humphrey Bogart, Nat Pendleton and Weaver Brothers

—IN—  
**"SWING YOUR LADY"**

THURS. APRIL 21

**"HISTORY IS MADE AT NIGHT"**

**FOR SATISFACTORY DRAYING AND REASONABLE PRICES, PHONE JAS. SMITH**

# Are Life Insurance Funds Invested in Alberta?

**Answer.**—Yes, to the extent of over Ninety Million Dollars.

**Question.**—Where are these millions invested?

**Answer.**—In the cities and towns, villages and country districts of the Province.

**Q.**—How are these millions invested?

**A.**—In many worth-while enterprises for the benefit of all the people of Alberta—homes—farms—schools—good roads—local improvements—industries—and transportation systems.

**Q.**—Then Life Insurance dollars really do "double duty"?

**A.**—Yes, these dollars not only give financial protection to the women, children and the aged—but they also benefit the general public through the promotion of worthy undertakings.

**Q.**—Why is it necessary for insurance funds to earn interest?

**A.**—To secure the reasonable interest return necessary under policy guarantees to meet all obligations at maturity.

**Q.**—What is the record of Life Insurance in Canada?

**A.**—Through depressions, epidemics, and wars, Life Insurance has continued to fill every guarantee to policyholders, 100 cents on the dollar.

*This is the fifth of a series of messages sponsored by Life Insurance Companies operating in Canada. The sixth, to appear in two weeks' time, will discuss how women and children benefit from Life Insurance.*

## Life Insurance



Guardian of Canadian Homes

## BORROWING AT THE BANK

*to operate more profitably*

**FARMING, DAIRYING, STOCK RAISING**—and other lines of agricultural business often need improvements or new equipment, to stop waste and make better profits.

Good managers in every line of business know where small expenditures would increase efficiency and profit. If they can spare the money from their working capital, they will spend it promptly for such

purposes. If they have good security, but not the ready cash, they will wisely borrow.

Wherever, in Canada, agricultural business is carried on, there is a branch of the Bank of Montreal, acquainted with local needs and conditions, ready to consider applications for loans for such constructive purposes.

## BANK OF MONTREAL

ESTABLISHED 1817

"a bank where small accounts are welcome"

Carbon Branch: B. C. DOWNEY, Manager

MODERN, EXPERIENCED BANKING SERVICE... the outcome of 120 years' successful operation

## LOCAL NEWS

Mrs. Jas. McLeod left Thursday for Calgary after spending the past two weeks visiting in Carbon with Mrs. M.J. Elliott. Mrs. Elliott accompanied her to Calgary.

Mr. and Mrs. Aaron Klassen of Carstairs spent Sunday visiting in Carbon.

Bill Edwards of Calgary was home on holiday this week.

Mr. and Mrs. Jas. Smith spent Saturday in Drumheller. Jim brought back a new buss which Red Bus Lines have placed on the Carbon run. The old Buick has at last been pensioned off.

Mr. and Mrs. C.H. Smith took in the opera in Calgary last week.

Mr. and Mrs. Keith Monroe (nee Olive Charlebois) of Rosebud, are rejoicing over the arrival of a son, Joseph Bernard Keith) born March 31 at the Holy Cross Hospital, Calgary.—Drumheller Mail.

Miss Myrtle Oliphant left Monday for Hinton, Alta., where she will visit with Mr. and Mrs. Jasper Rochester.

Mr. and Mrs. Dick Gimbel and son, spent the week end in Calgary.

Chas. Graham left last Thursday for a visit in the Olds district.

Complaints have been coming in during the past couple of weeks regarding the condition of the two miles of road in the Carbon municipality just south of the Central Service Station. This piece of road needs building up, according to the persons making the complaints.

Joseph J. Greenan and son, Paul, spent Saturday in Carbon, returning to Calgary that evening.

Pete Golbert of Allingham was a Carbon visitor last week.

Mrs. Chas. Graham returned Wednesday last from Allingham, where she was visiting with friends.

Mr. and Mrs. W. Poxon and Mr. and Mrs. Merle Stout of Drumheller were Carbon visitors Monday evening.

Mrs. Margaret Reid is having her house painted and Clarence Reid is doing the painting.

The Builders' Hardware spring sale is now on and will continue for the next ten days.

Miss Caroline Wright, Mrs. C. H. Smith and Mrs. C. Oliphant were visitors to Drumheller on Wednesday.

## CONDITIONS IN THE WEST

Snow storms over the most part of Alberta and extending far into Saskatchewan characterized the first week of April and brought additional moisture to the wheat areas in these provinces. With the exception of the Peace River block Alberta's farm land is entering the seeding season well supplied with moisture. Fine weather is now needed in order to permit seeding operations. Dry winds have been noticeably absent so far this spring. Seed time on the prairies is more often than not accompanied by strong winds which rapidly dry out the soil.

The extensive plans made by the Federal Government to provide seed

## MAGNETOS, GENERATORS &amp; STARTERS REPAIRED

New and Repaired Radiators  
Auto Glass — Car Accessories

### POXON'S AUTO ELECTRIC

DRUMHELLER, ALTA.

## CARBON UNITED CHURCH

W. H. McDANNOLD, B.A., B.D.  
Minister:

Mrs. A.F. McKibbin, Organist  
Mrs. Bruce Ramsay, Choir Leader  
Jas. Gordon, Sunday School Supt.

Carbon, 11.00 a.m. Belseker, 3.00 p.m.  
Irishana, 7.30 p.m.  
Sunday School 12.10 to 12.30 p.m.

Sunday, April 17th (Easter)  
"We See Not Yet All Things Put Under Him."  
Communion at Carbon April 24th

## CHRIST CHURCH, CARBON

Services will be held as follows:  
1st and 3rd Sundays in month, 11 a.m.  
2nd and 4th Sundays, 7.30 p.m.  
5th Sunday in month by arrangement.

REV. S. EVANS in charge

## PREPARE FOR



## DRESSES

Big Selection of the latest in DRESSES—Sheers, Taffetas or Prints in the Newest Styles, including the New BOLERO.

**\$2.95 TO \$7.95**

## NEW HATS

IN NAVY, BROWN AND BLACK, AND NEW BRIGHT COLORS—ALL STYLES—

**\$1.95 AND \$2.95**

## LADIES' SUITS AND COATS

BUY YOUR NEW SUIT OR COAT NOW! If You Cannot Find What You Want in Stock, Let Us Order It For You.

LADIES' IMPORTED KID GLOVES, Black, Brown or Navy, per pair ..... **\$1.95**

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HOUSE OF STONE SUITS—FORSYTH SHIRTS  
TEBUTT, BUCKINGHAM AND WINSTON SHOES

WE ALSO KEEP A COMPLETE LINE OF CHILDREN'S WEAR AND SHOES

## CARBON TRADING CO.

THE FAMILY STORE

for drought stricken farmers, leads to the belief that there will be a fairly large acreage seeded to wheat this spring. In Alberta, the total wheat acreage in 1937 was 7,334,000 and, if the weather is favorable, the acreage seeded this year should be close to that figure.

Beyond question, conditions are more favorable from a moisture standpoint this year than at any seeding time since the spring of 1932; however, a good crop must have a substantial supply of moisture in June and early July.

TIMMINS, Ont.—Mrs. Harold Cox found her four-month-old child dead 30 minutes after she left him in a carriage in the yard behind the Cox home. Hatched on the baby's chest, preventing it from breathing, was an unusually large cat.

## S. N. WRIGHT

LICENSED AUCTIONEER

S. F. TORRANCE, Clerk Phone 9

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VYRLING R. MOORHOUSE, Prop.

## SAVE

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UP TO 30c A QUART

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Low Brothers

## PAINTS

EVER OFFERED IN CANADA

Practically all paint, varnish and enamel in the internationally famous Low Brothers line has been reduced in price as much as \$1.00 per gallon and 30c per quart in this GOODWILL SALE.

Only the finest nationally advertised LOWE BROTHERS products are included in this sale, which is authorized for a limited time only, commencing on APRIL 14th.

Since you may never have another opportunity such as this—you will be wise if you check up on all your painting needs now and take advantage of these exceptional savings while you can.

THIS OFFER GOOD FOR LIMITED TIME

## W. A. BRAISHER

DEALER,

CARBON